



The Jiku Mobile Video Dataset

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that's me ← **Mun Choon Chan**

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What is it?

473

video clips

31

hours

45

performances

5

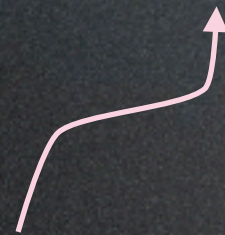
events

**recorded on mobile devices,
unconstrained,
by multiple attendees**

mostly Samsung and HTC phones



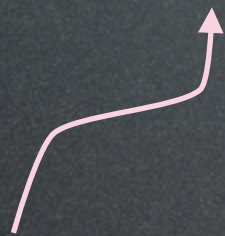
recorded on **mobile devices**,
unconstrained,
by **multiple** attendees



up to 15

with **sensor** streams

with **sensor** streams



compass and accelerometer



**How did we obtain the
data?**

1.

write an app that
log sensor data
for Android phones

2.

pick public
performance events

3.

give phones to volunteers
from attendees

4.

record the performance for
sharing, in any way they like

5.

collect back videos and
transcode to MPEG-4
(no other post-processing is done)

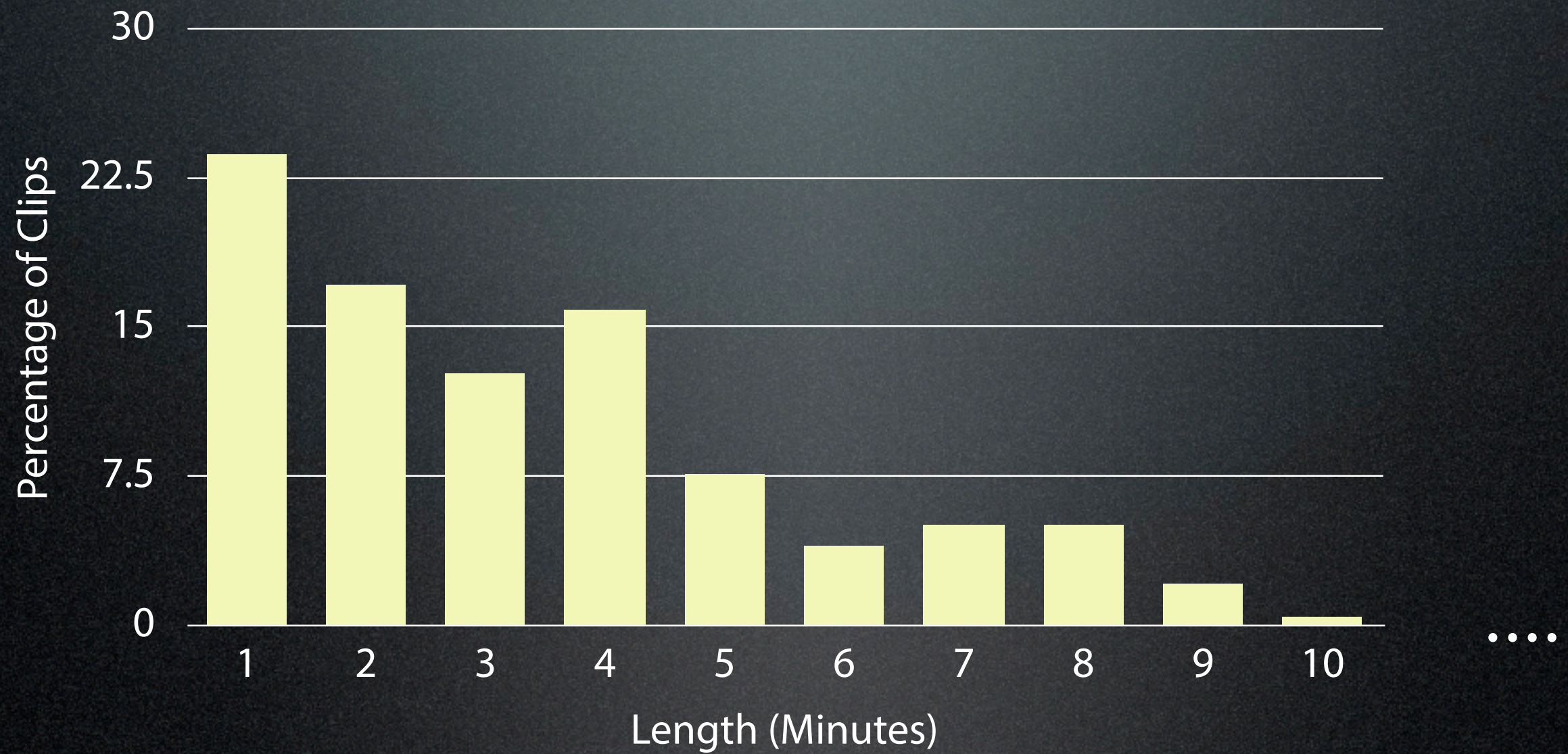
**What type of data
did we get ?**

1920x1080 **54%**

1280x720 **22%**

720x480 **24%**

Clip Lengths



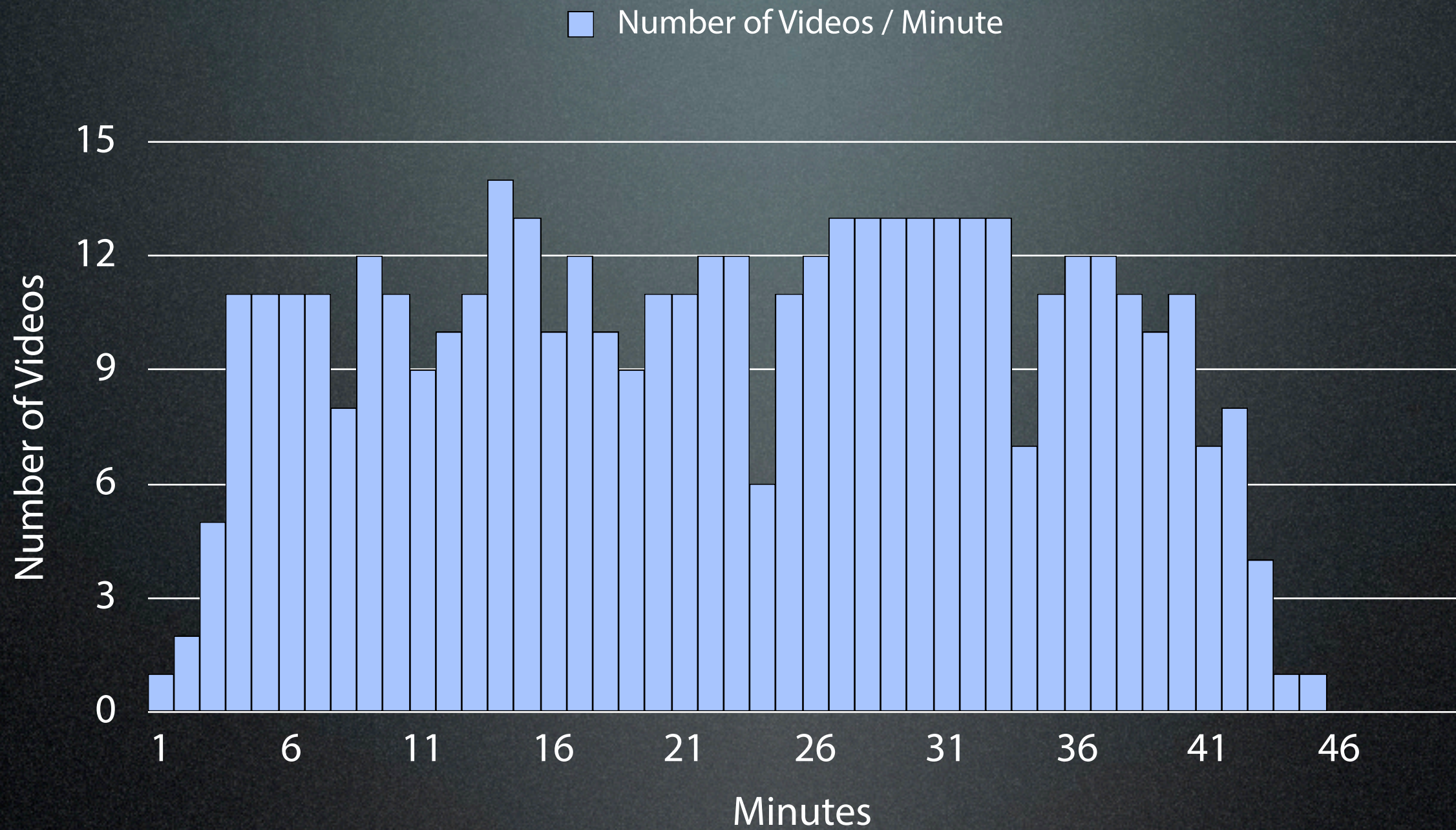
94% below **10** mins

average **3m 54s**

max **40m 20s**

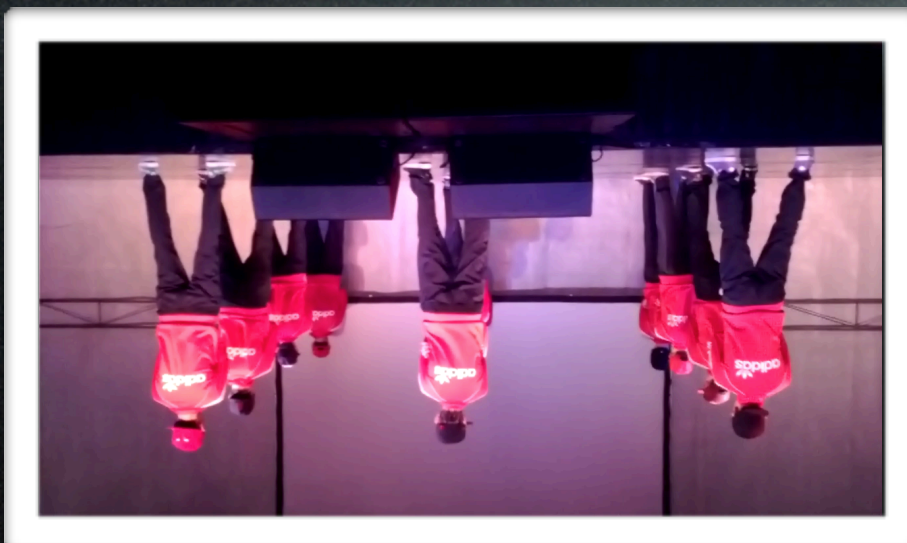
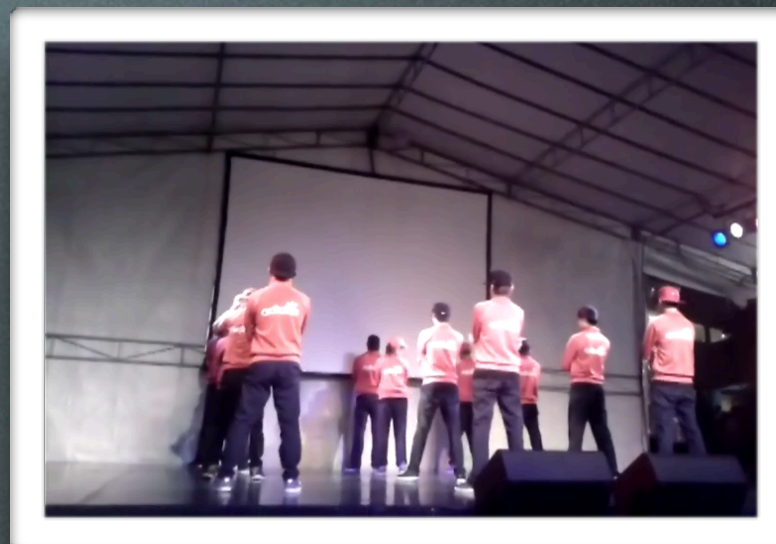
up to 15

simultaneous recording



NUS Art Festival, 23 March 2012

video clips from
diverse angles



user may pan/zoom



most videos are
of **amateurish** quality



Shaky, Overexposed



Occluded



Out of Focus



**Bad
Framing**



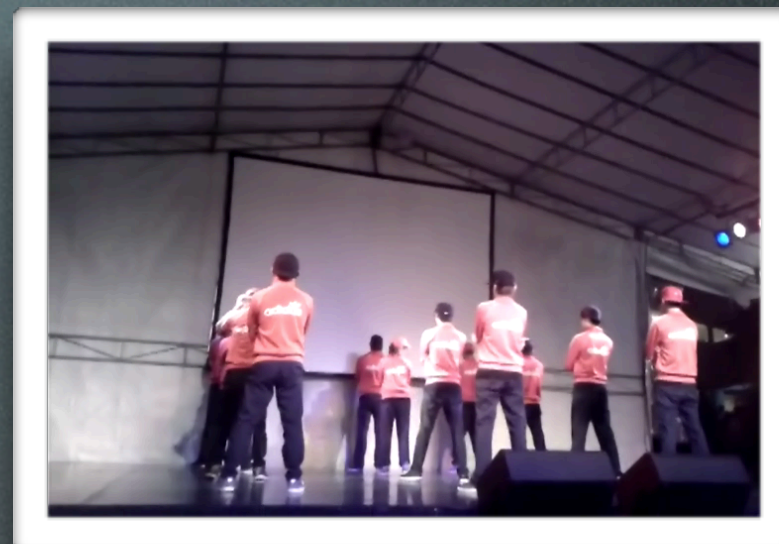
What is it good for?

research on

improving mobile video quality

can we
exploit **sensor** data?

can we use audio/visual
data from **another** video
for repair?



research on
**automated video
editing**

can we **compose** a better
video from simultaneous
video clips?

can we algorithmically
filter out bad videos?

can we algorithmically
evaluate the **aesthetic** of
a video?

can we identify what is
interesting in the video?



Where can you get it?



www.jiku.org/datasets.html

(we have an opening for **postdoc**)

Jiku Mobile Video Dataset

Search and Download

This page allows you to search and download the [Jiku mobile video dataset](#).

Event	<input type="text" value="All"/>
Time	From <input type="text" value="0:01 AM"/> to <input type="text" value="11:59 PM"/>
File Size	From <input type="text" value="0"/> MB to <input type="text" value="100000"/> MB
Duration	From <input type="text" value="0"/> mins <input type="text" value="0"/> secs to <input type="text" value="100"/> mins <input type="text" value="0"/> secs
Resolution	<input type="text" value="All"/>

Search

Search

**Do you have any
question?**